zx mushroom club

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NEWSLETTER
NUUSBRIEF

IE's business hours:
8am › 6pm (week)
" › 4pm (Sat)
LUNCH: 1»2 [closed]

Visits to IE's office by APPOINTMENT only.

NEW

NEW FROM INFORMATION ENTERPRISES

COP OUT	R20.49
CITY SLICKER	R30.49
MARBLE MADNESS	R30.49
ALIENS	R33.91
ANNALS OF ROME	R43.95
XEVIOUS	R20.58
LEGENDS OF KAGE	R26.99
BATTLE OF BRITAIN	R33.79
HACKER 2	R33.79
SPACE HARRIER	R28.99
DODGY GEEZER	R26.99
VULCAN	R33.79
GAUNTLET	R30.58
BETA BASIC 3.0	R43.99
CUMANA DISC INTERFACE (for QL)	R349.00
SUPER-Q-BOARD	R1075.00
QL PERSONAL COMPUTER	R649.00
MULTIFACE ONE	R179.00
ACE	R34.99
COMPUTER HITS 3	R33.79
ASTERIX	R30.44
KNIGHT RIDER	R27.83
SUPER SOCCER	R32.99
STRIKE FORCE HARRIER	R33.79
MASTERS OF THE UNIVERSE	R33.79
SAGA KEYBOARD COVER	R19.99
TOMAHAWK	R33.79
WANDERER (QL)	R67.83
FLIGHT SIMULATION-QL	R67.83
STAR GLIDER	R49.99
ACADEMY	R33.79
EIDOLON	R26.99
TARZAN	R30.44
KONAMI'S COIN-OP HITS	R30.99
TWICE SHY	R33.79
MAILSTROM	R26.99
FUTURE GAMES	R7.99
KAYLETH	R30.94
SCOOBY DOO	R26.99
DEEP STRIKE	R5.45
KONAMI'S GOLF	R26.99

Not only is membership of The Mushroom Club now free, but INFORMATION ENTERPRISES has introduced yet another 8 percent accross the board price reduction on new items which will be effective as long as the exchange rate holds at its current level.

In addition this month members will be able to take advantage of numerous amazing bargains and special offers. QL owners, who are increasing in numbers at a fantastic rate (hardly surprising in view of the incredible value for money which the QL now represents) can start to benefit from the larger volumes of software and hardware being imported, and this month the price of the QL drops to R649!

The price of microdrive cartridges for January only will be R8.25 each including wallet when bought in 4's, R7.95 each when bought in 8's (with wallets) and R7.75 each when bought in 12's.

Aside from the bargains you'll find in this newsletter I hope that you will also find one or two interesting articles. I've decided to reprint some of the articles we published in early '85 and '86 over the next few months for the benefit of new members. If you want to read more about a certain subject, do not hesitate to let me know - I'll gladly write articles on any (Sinclair related) subject if I find that there is a need. Remember that this is your club, and your ideas and articles will keep the club going.

Finally, I'd like to remind you that this newsletter is brought to you with the compliments of INFORMATION ENTERPRISES - please support our sponsors!

Gert Coetzee
January 1987

AN IMPORTANT ANNOUNCEMENT TO ALL QL OWNERS

JANUARY 1987 QL SPECIAL NUMBER 1

QL HYPERDRIVE

IE's normal price : R46.88
JAN special : R43.45

QUOTE FROM A REVIEW IN QL USER "A simulation game, this time for racing fanatics. The game is straightforward Using the cursor keys or joystick to control a grand pric racer. you have to claw your way back from last place into pole position. The race itself is broken up into five stages." FROM SINCLAIR USER "a competent arcade game"

SPECIAL OFFER

WHILE STOCKS LAST!

JANUARY 1987 QL SPECIAL NUMBER 2

QL BRIDGE

IE's normal price : R64.26
special R55 95

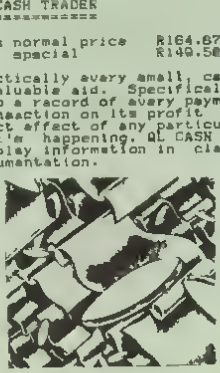
QL WORLD " All the features you would expect are present, such as the re-bidding and replaying of hands"

JANUARY 1987 QL SPECIAL NUMBER 3

QL CASH TRADER

IE's normal price R164.67
special R149.50

Practically every small, cash-based business will find QL CASH TRADER an invaluable aid. Specifically designed for such operations the program will keep a record of every payment and receipt AND show the affect of each transaction on its profit and loss statement. You will be able to see the exact effect of any particular transaction - no more worries about not knowing what'm happening. QL CASH TRADER uses the graphics capability of the QL to display information in clear, easily understood format and comes with full documentation.



CASH TRADER
Sinclair Research

Designed to help keep the books and financial reports for small companies **Cash Trader** is a flexible accounting package for the QL.

It is ideal for the businessmen who knows nothing about computers and wants to know as little as possible. Its data entry system is simple to use and help is on the screen at all times.

Although the accompanying manual is 200 pages it provides instant information about most problems which are likely to occur when using the program.

A **Cash Trader** support club is available for users who need help. It produces a newsletter and pamphlets which give details of enhancements and information about specific problems.

QL METEOR STORM
==========
SPECIAL PRICE R28.75 (normal price R47.32)

An exiting, all-action game for one ot two players. Using keyboard or joystick control, your mission is to pilot your spaceship through the meteor belt and destroy as many of the hazards as you can.

You'll have to use all your skill to avoid being damaged yourself. As well as the meteors, you must watch out for the heavily-armed enemy spacecraft which will attack your ship on sight - and the longer you go on, the more challenging you'll find the game becomes.

JANUARY 1987 QL SPECIAL NUMBER 5

QL TOUCH AND GO
==========
Special Price R28.75 (normal price R78.12)

Teach yourself typing using your QL. This special adaptation of the Harcourt System Typing Tutor will also help you to master the layout of the QL's QWERTY Keyboard. A carefully, structured series of lessons take you from simple one-finger exercises to a typing speed of 30 words per minute with 95% accuracy.

IN A DIFFERENT CLASS!

JANUARY 1987 QL SPECIAL NUMBER 6

QL ENTREPRENEUR
==========
Special Price : R93.45 (normal price R145.68)

Quote from Sinclair User "A frightening number of new businesses fail during their first year of operation. In many cases that can be traced to inadequate preparation before the company is set up. ENTREPRENEUR is designed to provide a useful business tool together with programmed learning course for the skills necessary to understand and use it. The teaching program aims to introduce the prospective businessman or woman all the different aspects of setting up and running a business. The applications program is designed to be used to formulate a business plan showing a company's expected performance in its first year.....
....this is a package which should prove useful to those looking to start a business and to those wishing to expand."

****

PLEASE NOTE STOCKS OF ABOVE HELD IN COUNTRY ARE LIMITED. WE WILL ENDEAVOUR TO SUPPLY AT SAME PRICE ON RE-ORDER IF THESE ARE EXHAUSTED BUT DELAYS OF UP TO 3 WEEKS COULD THEN BE EXPECTED.

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PPS. IF YOU DON'T HAVE A FULL PRICE LIST WITH ALL OUR NEW PRICES PLEASE WRITE IN FOR ONE INCLUDING A SAE AND 52c WORTH OF STAMPS

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GREAT NEWS FROM I.E.

sinclair

EXPANSION PACK

contains:

INTERFACE 1	×1
MICRODRIVE	×1
NETWORK LEAD	×1
RIBBON CABLE	×1
DEMO CART	×1

UNREPEATABLE AT R229

ALL ABOVE ITEMS ARE LIMITED
Availability Offered
ONLY WHILST STOCKS LAST

STORAGE

BASF FLEXY DISKs, double sided; double density 5 1/4"
NOW AVAILABLE FROM INFORMATION ENTERPRISES
R34.50 PER 10
4.00 GST
1.00 P&P

++

BASF 3.5" FLEXY DISKs double sided, 135tpi, suitable for OPUS DISC DRIVE
NOW AVAILABLE FROM INFORMATION ENTERPRISES
R69.00 PER 10
8.28 GST
1.20 P&P

++

BASF 3.5" single sided DISKs
R59.00 per 10
7.08 GST
1.20 P&P

++

QUESTIONS

QUESTION Can I link up to BELTEL with my Spectrum or QL?

ANSWER Yes, at the lowest cost possible by using a PROTEK MODEM WITH INTERFACE and locally improved software in the case of the Spectrum. The normal price (at INFORMATION ENTERPRISES) is R249 + GST. This month members can get it for R225 + GST!

If you already have an Interface I the same Acoustic coupler can be used with this reducing the cost of accessing Beltel even further The PROTEK ACOUSTIC COUPLER with special cable and locally developed software is available for only R199 + GST (NOTHING CAN BEAT IT!)

The QL owner can get into BELTEL very cheap using the MODAPTER from Miracle Systems together with the Protek Acoustic Coupler. The complete system available from Information Enterprises for only R299!!!

PS. THE MODAPTOR IS SUPPLIED WITH SOFTWARE WHICH ALLOWS TERMINAL EMULATION ON THE QL.

For more info write to the club, or secure your special price by sending your order to Information Enterprises IMMEDIATELY.

QUESTION: Which printer did you use to print this newsletter?
ANSWER The Star Radix-10 in Near Letter Quality.

Please note that IE personnel do not have the time to enter into lengthy technical discussions on the phone. The club is there to solve your problems and help you with technical enquiries. If you can't get through on the phone you get frustrated, don't you? Well please don't frustrate someone else who will be trying to get through while you're busy prating. Keep it concise and brief, sweebliefe.

THE SAGE EMPEROR KEYBOARD

The first 5 people who PHONE into and place firm orders for SAGA EMPEROR KEYBOARDS on the 22nd of January 1987 will receive them for the 1985 price of R110 (normal price R149). This is arguably the best keyboard, other than the Saga Elite available for the Spectrum

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LEARNING HOW TO PROGRAM

The ultimate course of instruction, if you wish to learn to program in Basic was produced in 1984 by LOGIC 3. Nothing better has yet come into the marketplace. This month IE offers both the BASIC and ADVANCED BASIC at R29.50 each (normal price R45)

The Mushroom Club must be notified prior to a change of address.

QLs FUTURE?

Although QLs are still readily available, most of us know that after Sugar took over Sinclair, things started to become sour for the QL. However, it is the feeling of the well-informed that the QL is here to stay. Not only is the software being written for the QL of a high standard, but it is also general knowledge that the QL is superior to most of the 'home' computers in use at the moment. Furthermore, new companies such as CST and SANDY are developing QL-compatibles which will secure the QL's future even more. South Africans will also know ICL's OPD (One Per Desc) which is nothing but a QL. More about the QL, upgrading and compatibles in a future newsletter.

YOUR LETTERS

Geagte meneer Coetzee

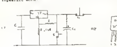
In die Desember 85 uitgawe was daar 'n hardeware projek. Graag wil ek die volgende punte onder u aandag bring.

1 Die 7805 V-reguleerder in die Spectrum benodig 7Vmin om reg te funksioneer. Die toleransie van die 2 weerstande kan veroorsaak dat die uitset minder as die 7Vmin is. Daarom is dit beter om die uitset na 8-9V te verander.

2 Alle persone het nie toegang tot 'n voltmeter nie. Om die te help wat nie die voorrag het nie, kan die verstelbare weerstand VR1 vervang word met 'n vaste weerstand waarde. Die waarde wat 'n 8V uitset gee is 1200 ohm. Om 'n 9V uitset te verkry moet 'n 1300 ohm (1200 + 100 in serie) gebruik word.

3 Waarom die LM338KC reguleerder wat ongeveer R20 kos gebruik. Die LM317T sal geskik wees en kos ongeveer R3.

4 Persone wat nog nie 'n "reset" skakelaar het nie kan maak vind deurdat so 'n skakelaar ingesluit kan word. Daar is twee moontlike plekke. 'n Druk om te maak (—o^o—) of 'n druk om te breek (—o_o—) kan enne veilig ingesluit word.



5 C2 se doel is om die reguleerder se transient reaksie te verbeter. Dit moet daarom 'n hoe kwaliteit tantalum kapasitor wees. Die kapasitor moet so na as moontlik aan die reguleerder wees en die kapasitor se drade moet so kort moontlik wees.

Die uwe

M J COETZEE

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Mr Kirkiridis wrote "... how can I contribute to the QL corner? Will listings do? I want to avoid the cost and possible loss of a microdrive cartridge through the post."

THIS CLUB IS YOUR CLUB. YOUR CONTRIBUTIONS WILL HELP OTHER MEMBERS. IF YOU WANT TO SEND IN AN ARTICLE, IT COULD BE WRITTEN OR TYPED, AS IT WILL HAVE TO BE RETYPED ANYWAY. IN THE CASE OF QL USERS, A CARTRIDGE WITH TEXT COULD BE SENT IN (INSURED) AND THESE COSTS WILL BE REFUNDED. SPECTRUM ARTICLES MUST BE TYPED OR WRITTEN. PROGRAM LISTINGS MUST BE ON TAPE SO THAT A HARD LIST COULD BE MADE SO AS TO AVOID TYPING ERRORS. IF YOU HAVE A NLQ PRINTER, YOU COULD SEND IN A 40 OR 80 COLUMN VERSION OF YOUR ARTICLE IN NLQ-TYPE, WHICH CAN BE USED AS IS IN THE NEWSLETTER. IF YOU ARE NOT YET CAPABLE OF WRITING ARTICLES, WHY DON'T YOU SEND IN IDEAS FOR FUTURE ARTICLES?

++

Dear Gert

I think the saying goes " Give and you shall receive". As the magazine will be given then I feel something can be given in return and you will hear from me from time to time.

TAPE PROBLEMS
=============

I had a lot of problems at one stage and finally found two possible causes (aside from lousy tape recorders or tapes), which can be sorted out.

1 Tape head saturation

Basically what happens is that after continuous use at the same frequency (which is what happens on the computer), the read/write heads become magnetically saturated and the you could be able to load tapes but not save them. In fact the tape recorder behaves as if it is broken. Myself and two others at work experienced the same problem. One chap had the Sanyo Data Recorder.

The answer to this is a Head Demagnetizer. These can be bought (between R35 & R50). It takes one second and the tape recorders work like new again. One of my recorders actually stayed on the shelf for a year as I had given it up and had already bought a new one. Now its working fine.

2 Tape Drive Wheel.

This is the rubber wheel which moves forward onto the motor drive spindle. The tape runs between these two components and this is what gives the tape its motion. For those who are finding that their tape recorders seem to work fine the one moment and then not the next possibly have a problem here. What happens is that the rubber wheel picks up dirt from the tapes or perhaps dust from the room. Clean the rubber wheel with ISOPROPYL Alcohol using one of those cotton buds. Again a miracle occurs on the recorder. With the dirt on these heads it does not grip the tape and so sometimes it the tape slips. The result is that the recording/playback speeds are not constant. When this happens, nothing seems to want to save or load.

Yours,

THEO BARTLETT

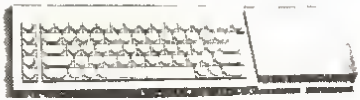
CLASSIFIED

TO ADVERTISE IN THIS NEWSLETTER PLEASE LET US HAVE YOUR AD WITH A 10c PER WORD FEE (min 20 words) BEFORE THE 25th OF THE MONTH. NO COMMERCIAL SOFTWARE SHALL BE ADVERTISED.

For Sale: ZX Spectrum (adapted for monitor) - R200, Saga Emperor Keyboard - R100, Sky Monitor - R300, Blaupunkt tape recorder - R70, ZX Microdrive and Interface - R250, ZXL PRINT III (printer interface) - R100, Lots of Software - R350 Or R1150 for the whole lot. Phone WF Mayer at (012) 463080

WELTEL MODEM (Spectrum) te koop aangebied - R200.00. Skakel Francois Eksteen by (012) 473280

ROULETTE FOR THE SPECTRUM. ALL THE USUAL RULES APPLY. MULTIPLE BETTING. ANY NUMBER OF PLAYERS. FULL COLOR CASINO TABLE. VERY USER-FRIENDLY. SEND TAPE + R5 00 TO LAURENCE CREIGHTON 308 MOUNT CURTIS MAIN ROAD SEAPOINT 8001. HOURS OF FUN



SUPERQBOARD

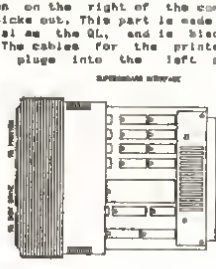
The QL has two serial ports which can be used for devices, mostly printers and plotters. Also included in the low price of £599 (or less), are two microdrives. The QLs standard memory is a full 128K (RAM).

QL users normally upgrade on these three fields as the need arises. The SUPER Q-BOARD from SANDY is a three-in-one upgrade for the QL user who'd like to do it in one go. The Super-Q-Board incorporates a parallel printer interface, a disc drive interface and a 512K RAM upgrade. Also included is a ROM based copy of Tony Tebby's Super Toolkit.

In this review I will not attempt to say anything about the latter. This will have to be reviewed as a separate unit.

The price of the interface is approximately £197.5. Yup, one thousand and seventy five of the small ones. If you think this is not a steal at the price you will most probably be right. If you buy a printer interface, a disc interface, 512K RAM and Toolkit (software) separately you will pay more or less £1100. Why should one then make such a huge capital outlay if you could gradually buy the separateunits? There are two reasons. Firstly, a single interface looks neater than three interfaces piled on top of each other or behind each other. The second reason is that the four components of this interface, (disc/printer/RAM/Toolkit) have been designed to be interactive, which you are not likely to get if you buy them all separately.

Looks. If your appreciation for good looks also include computers, the Super-Q-Board will rate very high in your book. The interface is 15cm long, and if it is stuck into position on the right of the computer, only 8cm sticks out. This part is made of the same material as the QL, and is black (and beautiful). The cables for the printer and disc drive plugs into the left of the interface.



MANUAL

The manual consists of 88 pages, divided into 9 sections - one section on each of the interfaces, one on the Toolkit and two on installation and introduction. It has a ring binder, its size is A5, and has a semi-hard cover as well as semi-hard divided between the different sections. It is very explanatory. However, the Toolkit section looked as if it would need some struggling to understand, but then as I said before I did not attempt to have a real go at it.

FLOPPY DISC DRIVER

The QLs disc operating system (QDOS) allows for other storage devices which behave similar to the QLs microdrives to be added transparently. This means that having added the Super-Q-Board, you do not need a new set of commands. All microdrive (mdv_) commands apply and the prefix 'flp' is used when the floppy should be used. The filing commands are used as before.

FORMAT flp1_name	will format a new disc in drive one,
DIR flp1_	makes a directory of the floppy in disc one.
SAVE flp1_name	saves the current SUPERBASIC program to floppy one,
OPEN_NEW #3, flp2_data	creates and opens a new file 'data' on floppy disk 2,
COPY mdv1_x TO flp1_x	copies the program 'x' from microdrive one to floppy drive one

You might think that it is going to be a big task to transfer the 4 Psion programs to floppy. This is made easy by microdrive emulation using the command FLP_USE MDV. This command tells QDOS to transfer all mdv_ commands to flp_ i.e. if you enter FLP_USE MDV and thereafter you enter DIR mdv1_ a directory of flp1_ will be made. To use the 4 Psion programs is very easy all it needs is a slight alteration of the 4 'boot' programs.

The SUPER-Q-BOARD disc interface not only supports all the build-in Microdrive filing system operations, but includes all the extended filing system operations provided in the Toolkit for Microdrives. Examples are

OPEN OVERWRITE - this variant of the OPEN call opens a file for write/read whether it exists or not.

RENAME - this call renames a file.

TRUNCATE - this truncates a file to the current byte position.

In addition the FS FLUSH call for a file not only flushes all the file buffers, but also enables one to read all of a file (up to the point where it was last flushed) if the power was turned off before a file was CLOSED.

When one switches the QL on, normally the pressing F1 or F2 results in a spinning microdrive, looking for a file called 'boot' to load and run. With the Super-Q-Board attached, a test is carried out before the F1 and F2 options appear to see whether a disc is in floppy drive one. If not, pressing F1 or F2 will boot from microdrive one. If a disc is in drive one, it will boot drive one when you press F1.

512K RAM

The first thing a QL user will do when he buys (any) RAM upgrade, is to load Abacus to see whether the miserable 128K for use is upped by 512. This is not the case. Only (!) 475K is available after 512K RAM because the QL uses some of the additional memory for 'administration' of the additional memory.

However, although one will use the Super Q Board's additional memory without thinking twice about it, it only comes into its right when the Toolkit's RAM DISC DRIVER is used (which is built in!). The term 'RAM disc' is a misnomer. It is used to denote a 'virtual' device (one that only exists in the fertile imagination of the QL) that looks and behaves like a very fast disc device. It is so fast because being virtual, there is virtually nothing to move to get information in and out. It is in fact, no more than a reserved area of the QL's main memory (RAM - random access memory). This means of course, that any space taken up by a RAM disc is not available to programs executing in the QL. Furthermore, any data stored in a RAM disc will be lost when the QL is turned off or reset.

The normal use of a RAM disc would be to copy all working files from Microdrive (or floppy) into a RAM disc, rename the RAM device to be mdv_, execute the program, and when finished rename the RAM device to be RAM before copying the data files back to Microdrive.

The RAM device can just as easily be used as a RAM device without being renamed, using the following commands:

FORMAT ram2_name create a new RAM disc 2

DIR ram1_ directory of RAM disc 1

SAVE ram1_prog save the current SUPERBASIC program as 'prog' in RAM disc 1

(All other microdrive commands are supported)

PRINTER PORT

There are two serial ports at the back of the QL, and these are identified by the name SER. Likewise the Super-Q Board's parallel printer port is identified by the name PAR.

Most programs, including the 4 Psion programs are written to use the serial port SER:. The Super-Q-Board's command PAR_USE SER makes it possible to use these programs without any changes. The data will then be sent to the PARallel port instead of the SERial port. As with the command FLP_USE MOV, the easiest is to edit the 'boot' programs of the Psion package.

One of my reasons for saying that the Super-Q-Board, although not a lot cheaper than the separate interfaces, is a good buy was that the separate interfaces will not be as interactive as the Super Q-Board. This 'interactiveness' of the Super-Q-Board comes to its full potential when the extra RAM is used in conjunction with the PARallel port - as a printer buffer. A printer buffer, bought for a printer, will cost you a few hundred rand and everyone who has a permanent printer buffer fixed into his/her printer, knows how frustrating it could be if you press ESC, but because of the buffer the printer will happily print along until the 4K (or more) buffer has been emptied. Thus, you could have a printer buffer using PAR and RAM, but you are not stuck with it.

The command for setting up a buffer is as easy as all the other Super-Q-Board commands. PAR_3K will set up 3K buffer and PARC_400 will set up a 400 buffer with the PARallel interface set with <CR> in place of <LF> as routine.

CONCLUSION

R1075 is a lot of money, but if you are using your QL a lot, it could be worth it. I hope to become more familiar with the Super Toolkit, which, as I said above is included on ROM in this interface, is also available as separate software. A review on this will hopefully appear in a future newsletter.

JAN 87 spectrum SPECIAL

HOW TO SELECT FOR THIS SPECIAL OFFER

There are three sections filled with descriptions of popular software on pages 9 to 13. You must choose a first and second choice from SECTION 1 (on page 9 and 10) and also from SECTION 2 (on page 11). Depending on whether you are prepared to pay R19 95, R29 95 or R39 95 you must choose a first and second choice from SECTION 3a, 3b or 3c (on page 12 and 13)

EXAMPLE	first choice	second choice
SECTION 1	ROAD RACER	SPLAT
SECTION 2	BIORYTHMS	POOL
SECTION 3b	JET SET WILLY	WARLORD

As JET SET WILLY (and my second choice - WARLORD - if all the JET SET WILLYs have been sold out) come from SECTION 3b, I will send R29 95 with my order

If I chose two (first and second choice) from section 3c, the three games (e g one from each section) would have costed me R39 95

(INFORMATION ENTERPRISES will aim to supply all members with their first choices out of each section However, please make a second choice in each section as we expect the specials to be very popular!

ALL PROGRAMS ARE ON SEPERATE TAPES AND ORIGINAL

section 1

CARGO

Set sail around the world Choose your parts of call You must reach your destinations safely, weathering any storms on the way First load your cargo on board using all your knowledge and skill - poor loading can mean capsizing and going down with all hands.

ROAD RACER

Race your car around the track.

COLLECTORS PACK

A comprehensive program which allows collectors of stamps etc to hold up 1500 records of up to 8 items on file, manipulate, alter and examine these records

PRINT UTILITIES

Increase the printing and display facilities of your ZX Spectrum.

VU-3D

A spreadsheet program for the Spectrum

SPLAT

A mind game Strategy.

THE FRENCH MISTRESS

An invaluable teaching or learning aid for beginners or advanced students of French

INVINCIBLE ISLAND

Can you find the Seven Parchments of Xaro and their mystical meaning. Graphic and text adventure

ON THE OCHE

This game brings you all the excitement of computer darts For two players Superb graphics

VIDEO PACK

A highly sophisticated simulation of the game pool to test your skill and judgement to the limit. Smooth flicker free movement and accurate calculation of angles and speed.

CASINO ROYALE

(1) Roulette with sound facility when used with CURRAH MICROSPEECH UNIT for 6 players full table layout, superb wheel action TEACH you roulette
(2) Blackjack/Pontoon - Just you and the Bank

BEAKY AND THE EGG SNATCHERS

Can you save the Andromeden Condor. An arcade game

TIMEBOMB

Can you diffuse all six timebombs without being blown sky-high? Will the countdown timer reach zero?

CHESS TUTOR 1

THE PYRAMID

An arcade style game which has a very adventurous feel to it. Contains 120 chambers and 15 levels. The puzzle don't take you days to solve, it will probably take you a few months.

SUPER SPY

A global spy-chase and maze adventure for the 48K Spectrum. Follow the villians trail across the continents, through coded messages and 3D mazes until you find his lair.

THE DUNGEON MASTER

An adventure. "I have been a dungeons and dragons fan for several years. The package provides excellent entertainment for all fans of the cult and should prove a good introduction to the game" - Sinclair User.

VU-FILE

A general purpose filing system for catalogues, club membership, addresses, diaries, etc.

CHEQUERED FLAG

Drive a formula 1 racing car flat-out round a circuit (several circuits to choose from). You'll need one eye on the road and one on the dashboard. An exciting full colour machine code game.

MAGNETS

Test your skills against your opponent or the computer in this battle of the magnets. Educational / Game.

FLIPPIT

Flippit is a game of logic and patience which rivals the Rubik Cube in ingenuity and apparent simplicity.

TRANSYLVANIAN TOWERS

A spine chilling adventure with spectacular 3D graphics. Can you rid the world of this Transylvanian Terror?

CLUB RECORD CONTROLLER

A program to keep track of club members, their addresses and subscription fees.

MUSIC MASTER

TERRAHAWKS

ESPIONAGE ISLAND

An adventure. You have to survive an engine failure whilst flying over an apparent uninhabited Southern Atlantic. Learn how to treat the natives with respect, avoid capture and harrass the enemy and return with the islands secrets.

LINGUORO GERMAN

A German tutor.

BEYOND BASIC

Takes the agony out of assembler. Takes the mystery out of machine code. Gives you a deeper insight into the workings of your ZX.

section 2

STONKERS

A battle game using tanks

PEDRO

Pedro has to defend his garden from marauding animals

ZIP ZAP

An arcade game. use your laser blaster to defend yourself against the attacking aliens.

FIRE ON THE WATER

TILER

Your task is to tile Rob Rubbers roof. However, there are problems to overcome!

ARMAGEDDON

QUACKERS

THE RUNES OF ZENDOR

PERILS OF BEAR GEORGE

Superb animation. Joystick compatible, classic music for each scene; special surprise for gluttons who eat too much.

DRILLER TANKS

The underground early-warning sensors have detected the movement of Remmut and Skorxx. Mobilise the Driller Tanks. The summer Palace is under attack!

TAFFY TIMER

PLUNDER

FLIGHT FROM THE DARK

An adventure. You are Lone Wolf. In a devastating attack the Darklords have destroyed the monastery where you were learning the skills of the Kai Lords. You are the sole survivor. Including a book with the same name

POOL

A truly amazing version of the game of Pool using full sound and colour graphics. Play like the professionals

3D SET ATTACK

4 levels of skill: fast action, superb graphics!

REVERSI

Currently the strongest Reversi program for the Spectrum (Reversi is a board game). 11 levels; self play; player vs player; player vs Spectrum.

GRID RUNNER

HUNGRY HORACE

Hungry Horace is a delightful cartoon figure who plays cat-and-mouse with the guards at the park

DINCED DARLORDS

In the days of honour and chivalry there was a Knight who flew through the skies of Pistacia protecting his land from the invading warlords

ZIPPER FLIPPER

Pinball as you've never played it before!

PENETRATOR

Your mission is to penetrate through four defense rings. Arcade.

MALAGA

A space arcade game

MISSION IMPOSSIBLE

EXTERMINATOR

3D13D1

BIORYTHMS

When will you be at your peak physically, emotionally and intelectually?

BUBBLE BUSTER

When the bubbles strt bouncing. . . you're in trouble.

DRIVE IN

Turn your spaceship towards the Drive-In for repairs. Arcade.

section 3

VALHALLA

The famous graphic/text adventure

THE GREAT SPACE RACE

A space arcade game.

A VIEW TO A KILL

Now you take James part in these three exiting arcade/adventure games taken straight from the file

CODE NAME MAT II

Mat, the defender of the universe and sole pilot of the battle cruiser Centurion embarks on his most daring adventure yet Arcade.

TRIPODS

Tripods is a multi-player, interactive adventure game incorporating superb graphics

ANIMATED STRIP POKER

Have you got the nerve to play the game One hundred and fifty pounds and your skill, against Mindys modesty.

FRIDAY 13th

You've seen the movie and its follow-up Can you dare to play the game?

SUPERMAN

A game of nail-biting strategy and stunning action.

CHESS THE TURK

Chess as played by the 18th century magical chess playing automaton 6 levels, on pawnset and castling, hints chess, editor, demo mode.

SPIDERMAN

Listen up! The worlds primer comic company has joined with the originator of Adventure games to bring you SPIDERMAN

VALHALLA

A - R19.95

TALISMAN

The first ever interactive multiplayer arcade adventure. For one to four players. Over 50 beautiful graphic locations

DYNAMIC GRAPHICS

All you will ever need to create professional screens and smooth flowing sprites.

FOREST AT WORLDS END

WARLORD

An adventure by Interceptor set in the middle of the first century AD 100% machine code, instead graphics, over 100 locations.

JET SET WILLY

Guide Miner Willy through this action packed arcade game.

TALES OF ARABIAN NIGHTS

Guide Imrahil the Kalendar Prince through the perils of many Arabian nights.

TALISMAN

THE MAGICAL QUEST GAME

C - R39.95

GIVE MY REGARDS TO BROAD STREET

SPLITTING IMAGES

A novel action packed arcade puzzle for all ages that will amuse and surprise you. At last, here are all your favourite (or not so favourite) personalities to peel and poke in the comfort of your home. Use your skill to work out the twists, turns and pitfall that accompany each level, beating the clock to get the picture.

BOUNDER

One of the most compulsive games you'll ever play. If you don't buy it you'll never know what you have missed

PANZADROME

ROOM 18

The stunning game of the future designed by Pete Cooke the Author of the legendary Tau Ceti.

ATLANTIC CHALLENGER

DRAGON'S LIAR

ZYLTHUN

Zylthen is a magical drink when imbibed generates unknown powers. It lies hidden in the depth of a forbidden castle, which can only be reached by crossing four extremely hostile territories, each of which is guarded by custodians who must never be allowed to touch you. You have 5 minutes to cross each land.

PRODIGY

TERRORS OF TRANTOSS

In this adventure you have to guide two brothers from a village to find and destroy the ease which is being collected by the servants of the evil Trantoss to resurrect him from the dead.

B - R29.95

SUPER NUTT

JEWELS OF BABYLON

You are the sole survivor of an attack on a ship carrying jewels from Queen Victoria to an Indian Princess. You you to recate the jewels. An adventure set in the 18th century

DELTA WING

The bat in the air is reaching a peak. You soar through the skies in your jet fighter. Its quiet, too quiet . . . Suddenly they're upon you and its a fight to the death. A realistic simulation of flying and dog fighting.

TORNADO LOW LEVEL

Fly the latest swing-wing fighter bomber, with 360 degrees control. Land, refuel and take off at will

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SQUASH	R21.78

The ZX MUSHROOM CLUB has grown to a point where it now constitutes a very powerful buying entity. Consequently the secretariat will be endeavouring to negotiate discounts for its members for all sorts of products not necessarily related to computers. It pays to join the CLUB! Tell all your friends that it is FREE! More members means more savings. Below is an advertisement from the first firm offering a special discount to club members. Please support it!

GREEN FINGERS

Welcomes all members of THE CLUB (and their families) to visit THE SHOP at 212 Essenwood Road, Durban (next to OHS Tuck Shop). We specialise in pots, plants and things. We have a wide selection of containers and indigenous and exotic plants and garden accents. We are the exclusive Durban outlet for garden pottery crafted by -

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SPECTRUM PLUS TWO

The new 128K machine is already the subject of three forthcoming Melbourne publications.

Spectrum Plus Two Machine Language for the Absolute Beginner takes the new programmer from first principles to an understanding of registers, jumps, longs, interrupts and the rest of the mach ne code armoury.

Another comprehensive look at the Plus Two is to be found in the *Spectrum Plus Two Programmer's Guide* which includes sections on the RS232 and MIDI ports, system variables, opcodes and memory map and even the known bugs of the machine!

Finally, David Hunter of White Lightning fame completes the trio with the essential *Spectrum Plus Two ROM Disassembly*.

A new Spectrum, a mountain of software which can run on it, and an entire programmer's reference library to go with it - what more could anyone want?

ALL PRICES QUOTED IN THIS NEWSLETTER HAS BEEN HOWEVER INCORRECT ON OUR PRICE LIST. CHECK THE RIGHT TO MAKE THIS CORRECTION ADDED TO THIS NEWSLETTER.

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NEWS

In December it was announced that US GOLD has obtained more licences to release programs based on movies. The new software will be centered round Indiana Jones and Road Runner. More news from US GOLD is that their first joystick will be launched.

*****

News on the ZX Spectrum +2 is that it seems to have the same problems as the previous Spectrums from Sinclair had. One would have thought that Sugar would try to get rid of the bad reputation of Sinclair as far as quality control is concerned. It is almost as if Sugar would like to kill of the Spectrum by continuing the Sinclair tradition. Boots (a major computer outlet in the U.K.) had to return a batch of +2's twice to Amstrad as being faulty and Computerhouse had to return 12 out of 25.

The program called Softaid was launched in April 1985 and spent 18 weeks on the top of the Gallup chart in the U.K. It managed to generate 350 000 pounds for Operation Hunger.

*****

CP Software and Vortex are suing ELITE for alledged non-payment of sales quad by its 299 Classics budget label. It is alledged that ELITE undertook to release three of Vortexs titles within a 6 months but nothing came of the agreement.

*****

Former SAGA sales manager Chris Smith set up a new company called SCHON KEYBOARDS. SK has launched a new add-on keyboard for the QL. It consist of the keyboard unit itself and the replacement housing. The Schon Keyboard looks similar to the QL but it has 'real' keys. Two other companies, CST and SANDY are also bringing out new keyboards, both complete with interfaces etc. More about this in a next newsletter.

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